

REMARKS

Claims 1-30 are pending in this application. By this amendment, claims 1, 5-8, 16, 19-21, and 26-27 are amended. The claims have not been amended for reasons related to patentability, but are amended to expedite the allowance of this case. Claims 1-3, 5, 8-13, 15-17, 19-22, and 24-26 are rejected under 35 U.S.C. § 102(b). Claims 4, 6-7, 14, 18, 23, and 27-29 are rejected under 35 U.S.C. § 103(a). Applicant addresses each rejection below. Applicant respectfully requests reconsideration of the present claims in view of the foregoing amendments and the following remarks.

I. Information Disclosure Statement

The Office Action states that the Information Disclosure Statements filed on 1/19/2005 and 1/16/2002 fail to comply with 37 CFR 1.98(a)(2). Applicant has resubmitted the associated references herewith for consideration by the Examiner.

II. Claim Objections and Informalities

The Office objects to claims 16 and 26. Claims 16 and 26 have been amended to overcome the objection. Applicant respectfully requests reconsideration of claims 16 and 26 in light of the foregoing amendments.

The Office Action also notes that claims 5-7 include certain informalities. Claims 5-7 have been amended to remedy the informalities. Applicant respectfully requests reconsideration of claims 5-7 in light of the foregoing amendments.

III. Claim Rejections Under 35 U.S.C. §102(b)

Claims 1-3, 5, 8-13, 15-17, 19-22, and 24-26 are rejected under 35 U.S.C. § 102(b) as being anticipated by U.S. Patent No. 5,956,681 to Yamakita (hereinafter "the '681 patent"). Of these rejected claims, claims 1, 20, and 21 are independent claims. Applicant submits that the '681 patent does not anticipate claims 1, 20, and 21, as amended. Applicant further submits that the '681 patent does not anticipate dependent claim 2-3, 5, 8-13, 15-17, 19, 22, and 24-26 which depend from amended independent claims 1, 20, and 21.

It is well settled that for a reference to anticipate a claim, the reference must teach each and every element of the claim. The '681 patent does not teach each and every element of independent claims 1, 20, and 21, as amended.

Independent claim 1, as amended, recites:

A computer system for applying mode bias to an input field of an electronic document of an application, the system comprising: a hierarchical based schema registry in communication with the application; and an input engine in communication with the hierarchical based schema registry, wherein the hierarchical based schema registry receives a schema name based on a hierarchical analysis of an input to the input field from the application, locates a grammar associated with the schema name and sends the grammar to the input engine.

The '681 patent describes an apparatus for generating text data on the basis of speech data input from a terminal. A speech signal input from the microphone of a mobile terminal is sent from a PHS network to a speech control host unit connected to a LAN in a specific speech service provider through the Internet. The contents of a recognition result are automatically determined and shaped into E-mail text data or FAX text data. The formatted text data is returned to the mobile terminal in real time and edited on the mobile terminal as needed. Thereafter, the E-mail text data or FAX text data is transferred to the speech control host unit and transmitted. In the system, speech recognition is performed across a network. Since the mobile terminal does not perform the speech to text recognition, the system is said to have a practical accuracy at a low cost. The mobile terminal can also be equipped with an E-mail/FAX generation/transmission function based on the speech recognition result.

The '681 patent does not teach each and every element of claim 1, as amended. Again, for a reference to anticipate, it must teach each and every element of a claim that is rejected therefrom. For example, the '681 patent does not describe a hierarchical based schema registry which receives a schema name based on a hierarchical analysis of an input to an input field. Since the '681 patent does not teach each and every element of amended claim 1, the '681 patent cannot anticipate amended claim 1. Thus, amended claim 1 is patentable over the '681 patent and Applicant respectfully requests that the rejection of claim 1 be withdrawn and claim 1 allowed.

Claims 2-3, 5, 8-13, 15-17, and 19 depend from claim 1 and contain additional important limitations. For at least the reasons stated above, and since the '681 patent does not anticipate amended claim 1, Applicant asserts that the '681 patent does not anticipate claims 2-3, 5, 8-13, 15-17, and 19. Thus, Applicant respectfully requests withdrawal of the rejection to claims 2-3, 5, 8-13, 15-17, and 19, and allowance of claims 2-3, 5, 8-13, 15-17, and 19.

Independent claim 20, as amended, recites:

A computer system for applying mode bias to an input field of an electronic document of an application, the system comprising: a hierarchical based schema registry in communication with the application, the hierarchical based schema registry operable to point to code for dynamically generating one or more grammars; and an input engine in communication with the hierarchical based schema registry, wherein the hierarchical based schema registry receives a schema name from the application, locates an identifier of a grammar associated with the schema name and sends the identifier of the grammar to the input engine.

The '681 patent does not teach each and every element of claim 20, as amended. The '681 patent is described above in conjunction with the rejection to claim 1. The '681 patent is also deficient in its teachings with respect to claim 20. For example, the '681 patent does not describe a hierarchical based schema registry operable to point to code for dynamically generating one or more grammars. Since the '681 patent does not teach each and every element of amended claim 20, the '681 patent cannot anticipate amended claim 20. Thus, amended claim 20 is patentable over the '681 patent and Applicant respectfully requests that the rejection of claim 20 be withdrawn and claim 20 allowed.

Independent claim 21, as amended, recites:

A computer-implemented method for applying mode bias to an input field of an electronic document of an application program module, the method comprising the steps of: determining that an insertion point is within the input field; determining a mode bias schema that is attached to the input field; dynamically generating one or more grammars based on the input field, determining a grammar that is associated with the mode bias schema; and sending the grammar to an input engine wherein the input engine uses the grammar to receive input for the input field.

The '681 patent does not teach each and every element of claim 21, as amended. The '681 patent is described above in conjunction with the rejection to claims 1 and 20. The '681 patent is also deficient in its teachings with respect to claim 21. For example, the '681 patent does not describe dynamically generating one or more grammars based on an input field and a hierarchical based schema registry. Since the '681 patent does not teach each and every element of amended claim 21, the '681 patent cannot anticipate amended claim 21. Thus, amended claim 21 is patentable over the '681 patent and Applicant respectfully requests that the rejection of claim 21 be withdrawn and claim 21 allowed.

Claims 22, and 24-26 depend from claim 21 and contain additional important limitations. For at least the reasons stated above, Applicant asserts that the '681 patent does not anticipate claims 22, and 24-26. Thus, Applicant respectfully requests withdrawal of the rejection to claims 22, and 24-26 and allowance of claims 22, and 24-26.

IV. Claim Rejections Under 35 U.S.C. §103(a)

A. Claims 4, and 6-7 are rejected under 35 U.S.C. § 103(a) as being unpatentable over the '681 patent. Applicant disagrees with the Examiner's assertion that the limitations recited in claims 4, and 6-7 which depend from independent claim 1 were well known at the time of the invention by those having ordinary skill in the art.

However, as described above, the '681 patent does not anticipate amended claim 1. Since claims 4, and 6-7 contain additional important limitations and depend from claim 1, for at least the reasons stated above with respect to claim 1, Applicant asserts that the '681 patent does not anticipate claims 4, and 6-7. Thus, Applicant respectfully requests withdrawal of the rejection to claims 4, and 6-7, and allowance of claims 4, and 6-7.

B. Claim 14 is rejected under 35 U.S.C. § 103(a) as being unpatentable over the '681 patent in view of U.S. Patent No. 6,434,567 (hereinafter "the '567 patent"). Claim 14 depends from amended claim 1 and recites additional important limitations.

The '567 patent describes a method for specifying enterprise-wide database address formats. The system and method are described to specify and modify database definitions and rules used by system devices and applications for formatting records and corresponding addresses. An editor is said to enable specification of pre-defining address and record format field character strings and field instantiating rules which can be reused during data type definition to insure system wide information compatibility.

The deficient teaching of the '681 patent is described above. The '567 patent does not teach each and every limitation of amended claim 1. Furthermore, the '567 patent does not remedy the deficient teaching of the '681 patent. Therefore, the combined teaching of the '681 and '567 patents do not make claim 14 unpatentable. Since claim 14 depends from amended claim 1 and includes additional important limitations, claim 14 is patentable over the '681 and '567 patents. Applicant respectfully requests withdrawal of the rejection to claim 14, and allowance thereof.

C. Claims 18 and 23 are rejected under 35 U.S.C. § 103(a) as being unpatentable over the '681 patent in view of U.S. Patent No. 5,895,461 (hereinafter "the '461 patent"). Claim 18 depends from amended claim 1 and claim 23 depends from claim 21, each reciting additional important limitations.

The '461 patent describes a method and system for automated data storage and retrieval with a uniform addressing scheme. The '461 patent describes a computer system for creating data records which are stored and retrieved from predetermined addresses on a plurality of databases using a specialized word processor. The word processor recognizes keywords entered by a user and associates those keywords with the unique addresses of the data records to which they refer. Each data record is automatically stored at a predetermined, unique address by a word processor according to keywords entered into the data record by the user. Users creating data records may reference other data records by the use of keywords which uniquely identify those other records. References to other data records cause a word processor to create hypertext links to those other data records so that users may retrieve them without knowing where they are stored on the computer system. The word processor monitors data input to a record by a user to determine when a keyword is being entered, and assists users in identifying correct keywords which point to the data records which they desire to retrieve or refer to.

The deficient teaching of the '681 patent is described above with respect to amended independent claims 1 and 21. The '461 patent does not teach each and every limitation of amended claims 1 and 21. Furthermore, the '461 patent does not remedy the deficient teaching of the '681 patent. Therefore, the combined teachings of the '681 and '461 patents do not make claims 18 and 23 unpatentable. Since claim 18 depends from amended claim 1 and claim 23 depends from amended claim 21, each including additional important limitations, claims 18 and 23 are patentable over the '681 and '461 patents. Applicant respectfully requests withdrawal of the rejection to claims 18 and 23, and allowance thereof.

D. Claims 27-29 are rejected under 35 U.S.C. § 103(a) as being unpatentable over the '681 patent in view of U.S. Patent No. 6, 519, 603 (hereinafter "the '603 patent").

Claim 27, as amended, recites:

A computer-implemented method for determining a semantic category of a string in an electronic document based upon a mode bias schema comprising the steps of: receiving an input string in the electronic document, dynamically generating one or more grammars based on the

input string, retrieving a mode bias schema and an associated grammar, the mode bias schema associated with a hierarchical based schema registry; determining whether the input string conforms to the definition of input defined by the grammar; if so, then associating the mode bias schema with the input string in the document; and saving the mode bias schema as a semantic category label in association with the input string.

The '681 patent is described above. The '603 patent describes a method and system for organizing an annotation structure and for querying data and annotations about database material in a way that allows queries with conditions or predicates on both the database material and the annotations. Database material may be text, computer programs, graphics, audio, spreadsheets, or any other material which may be stored and indexed. Annotations can be used to capture information such as additional facts about the database material, the opinions and judgments of experts about the database material, and/or links to other related material. Annotations may be captured in a structured form to enhance semantic interpretation.

The combined teachings of the '681 and '603 patents do not teach each and every element of claim 27, as amended. Furthermore, the Office Action provides no motivation or suggestion to combine the references. Since the references do not teach each and every element of amended claim 27, amended claim 27 is patentable over the combination. Thus, amended claim 27 is patentable over the combined teachings of the '681 and '603 patents. Applicant respectfully requests that the rejection of claim 27 be withdrawn and claim 27 allowed.

Claims 28-29 depend from amended claim 27 and contain additional important limitations. For at least the reasons stated above, Applicant asserts that the combined teachings of the '681 and '603 patents do not make obvious claims 28-29. Thus, Applicant respectfully requests withdrawal of the rejection to claims 28-29, and allowance thereof.

E. Claim 30 is rejected under 35 U.S.C. § 103(a) as being unpatentable over the '681 patent in view of U.S. Patent No. 6, 182, 029 (hereinafter "the '029 patent").

Applicant believes that the Examiner meant to include the '603 patent as well based on the foregoing rejection of claims 27-29. Thus, the response will proceed on that assumption. The deficient teachings of the '681 patent and '603 patents are described above.

The '029 patent describes a system and method for language extraction and encoding utilizing the parsing of text data in accordance with domain parameters. The method describes extracting information from natural-language text data and includes parsing the text data to

determine the grammatical structure of the text data and regularizing the parsed text data to form structured word terms. The parsing step refers to a domain parameter having a value indicative of a domain from which the text data originated. The domain parameter corresponds to one or more rules of grammar within a knowledge base related to the domain to be applied for parsing the text data. The structured output is mapped back to the words in the original sentences of the text data input preferably using XML tags.

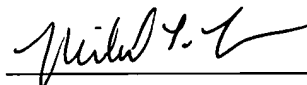
The '029 patent does not teach each and every limitation of amended claim 27. Furthermore, the '029 patent does not remedy the deficient teachings of the '681 and '603 patents. Furthermore, the Office Action provides no motivation or suggestion to combine the references. Therefore, the combined teachings of the '681, '603, and '029 patents do not make claim 30 unpatentable. Since claim 30 depends from amended claim 27 and includes additional important limitations, claim 30 is patentable over the '681, '603, and '029 patents. Applicant respectfully requests withdrawal of the rejection to claim 30, and allowance thereof.

Conclusion

For at least these reasons, Applicant asserts that the pending claims 1-30 are in condition for allowance. Applicant further asserts that this response addresses each and every point of the Office Action, and respectfully requests that the Examiner pass this application with claims 1-30 to allowance. Should the Examiner feel that a telephone interview with Applicant's attorney would further advance the case, please contact the undersigned at 404.954.5040.

Respectfully submitted,

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